

Please revise the claims as follows:

--1. (currently amended) A method of monitoring whether an animal that has received a transplanted kidney is experiencing kidney transplant rejection ~~has a kidney disease involving smooth muscle cell abnormalities~~, the method comprising:

analyzing a sample ~~taken from~~ of the kidney of the animal for the presence of a marker protein selected from the group consisting of:

(a) phosphorylated protein having a sequence of SEQ. ID NO. 1 in a form comprising phosphorylated tyrosine; and

~~(b) phosphorylated protein having a sequence of SEQ. ID NO. 2 in a form comprising phosphorylated tyrosine;~~

(c) protein having a sequence of SEQ. ID NO. 1; and

~~(d) protein having a sequence of SEQ. ID NO. 2;~~

~~wherein the disease is kidney transplant rejection; and~~

wherein the analyzing comprises:

contacting the sample or a homogenate thereof ~~materials derived therefrom~~ with a labeled antibody capable of binding to the marker phosphorylated protein in the sample, or to a fragment of the marker phosphorylated protein in the homogenate ~~a means of perceiving the marker protein;~~

detecting the extent to which labeled antibody becomes bound to the marker protein or said fragment as a result thereof; and

either:

(i) comparing the amount of marker protein bound to the labeled antibody to ~~be perceived with the amount of marker protein in~~ a known standard to diagnose whether the animal is

DO
NOT
ENTER

NMR
07/05/07